

What Is Claimed Is:

- Full 126*
1. An extended release pharmaceutical tablet comprising:
 - (i) a core comprising by weight, based on the core weight, about 70% to about 99% metformin and pharmaceutically acceptable excipients; and
 - (ii) a coating surrounding said core, wherein said coating is permeable to metformin,

said extended release tablet exhibiting a dissolution profile such that after about 2 hours, from about 7% to about 60% of the metformin is released; after about 4 hours, from about 15% to about 90% of the metformin is released; after about 8 hours, from about 50% to about 100% of the metformin is released; after about 12 hours, more than about 75% of the metformin is released.

2. The extended release pharmaceutical tablet of claim 1 wherein the coating consists essentially of a water-insoluble, water-permeable film-forming polymer; a water-soluble polymer and a plasticizer.

3. The extended release pharmaceutical tablet of claim 2 wherein the coating is free of monomeric pore forming agent.

4. The extended release pharmaceutical tablet of claim 2 wherein the coating comprises by weight, based on the coating weight, from about 20% to about 85% of the water-insoluble, water-permeable film-forming polymer, from about 10% to about 75% of the water-soluble polymer and from about 3% to about 40% of the plasticizer.

5. The extended release pharmaceutical tablet of claim 4 wherein the coating comprises by weight, based on the coating weight, from about 50% to about 85% of the water-insoluble, water-permeable film-forming polymer, from about 10% to about 35% of the water-soluble polymer and from about 3% to about 15% of the plasticizer

6. The extended release pharmaceutical tablet of claim 2 wherein the water-insoluble, water-permeable film-forming polymer is ethylcellulose.

7. The extended release pharmaceutical tablet of claim 2 wherein the water-soluble polymer is selected from the group consisting of cellulose ethers, vinylic polymers and combinations thereof.

8. The extended release pharmaceutical tablet of claim 7 wherein the cellulose ethers is selected from the group consisting of methylcellulose, hydroxymethylcellulose, non-ionic cellulose ethers and combinations thereof.

9. The extended release pharmaceutical tablet of claim 8 wherein the non-ionic cellulose ethers is selected from the group consisting of hydroxypropylcellulose, hydroxyethylcellulose and combinations thereof.

10. The extended release pharmaceutical tablet of claim 7 wherein the vinylic polymers is selected from the group consisting of polyvinyl alcohol, polyvinylpyrrolidone and combinations thereof.

11. The extended release pharmaceutical tablet of claim 2 wherein the water-soluble polymer is also alcohol-soluble.

12. The extended release pharmaceutical tablet of claim 2 wherein the water-soluble polymer is also soluble in mixtures of alcohol and water.

13. The extended release pharmaceutical tablet of claim 11 wherein the water-soluble polymer which is also alcohol-soluble is selected from the group consisting of hydroxypropylcellulose, polyvinylpyrrolidone and combinations thereof.

14. The extended release pharmaceutical tablet of claim 13 wherein the water-soluble polymer which is also alcohol-soluble is polyvinylpyrrolidone.

15. The extended release pharmaceutical tablet of claim 12 wherein the water-soluble polymer which is also soluble in mixtures of alcohol and water is hydroxypropylmethylcellulose.

16. The extended release pharmaceutical tablet of claim 2 wherein the water-soluble polymer is polyvinylpyrrolidone.

17. The extended release pharmaceutical tablet of claim 2 wherein the plasticizer is selected from the group consisting of stearic acid and dibutyl sebacate.

18. The extended release pharmaceutical tablet of claim 17 wherein the plasticizer is stearic acid.

19. The extended release pharmaceutical tablet of claim 17 wherein the plasticizer is dibutyl sebacate.

20. The extended release pharmaceutical tablet of claim 2 wherein the water-insoluble, water-permeable film-forming polymer is ethylcellulose, the water-soluble polymer is polyvinylpyrrolidone and the plasticizer is stearic acid.

21. The extended release pharmaceutical tablet of claim 2 wherein the water-insoluble, water-permeable film-forming polymer is ethylcellulose, the water-soluble polymer is polyvinylpyrrolidone and the plasticizer is dibutyl sebacate.

22. The extended release pharmaceutical tablet of claim 1 wherein the core further comprises an expanding agent.

23. The extended release pharmaceutical tablet of claim 22 wherein the expanding agent is present in an amount from about 3% to about 25% of the core dry weight.

24. The extended release pharmaceutical tablet of claim 23 wherein the expanding agent is a non-hydrocolloid.

25. The extended release pharmaceutical tablet of claim 24 wherein the non-hydrocolloid is crospovidone.

26. The extended release pharmaceutical tablet of claim 23 wherein the expanding agent is sodium starch glycolate.

27. The extended release pharmaceutical tablet of claim 23 wherein the weight ratio of water-insoluble, water-permeable film-forming polymer: water-soluble polymer: plasticizer is 20-50:35-75:15-40.

28. The extended release pharmaceutical tablet of claim 1 wherein the pharmaceutically acceptable excipients comprise glyceryl behenate, polyvinylalcohol and silicon dioxide.

29. The extended release pharmaceutical tablet of claim 1 exhibiting a dissolution profile such that after about 2 hours from about 10% to about 40% of the metformin is released; after about 4 hours from about 20% to about 65% of the metformin is released; after about 8 hours from about 50% to about 100% of the metformin is released and after about 12 hours more than about 75% of the metformin is released.

30. The extended release pharmaceutical tablet of claim 1 exhibiting a dissolution profile such that after about 2 hours from about 40 % to about 60% of the metformin is released; after about 4 hours from about 65% to about 90% of the metformin

is released; after about 8 hours from about 85% to about 100% of the metformin is released and after about 12 hours more than about 90% of the metformin is released.

31. An extended release pharmaceutical tablet comprising:

(i) a core comprising by weight, based on the core weight, about 70% to about 99% metformin and conventional excipients; and

(ii) a coating surrounding said coating, wherein said coating is permeable to metformin, said coat comprising by weight, based on the coating weight, of about 20% to about 85% of a water-insoluble, water-permeable film-forming polymer, of about 10% to about 75% of a water soluble polymer and about 3% to about 40% of a plasticizer,

said extended release tablet exhibiting a dissolution profile such that after about 2 hours, from about 7% to about 60% of the metformin is released; after about 4 hours, from about 15% to about 90% of the metformin is released; after about 8 hours, from about 50% to about 100% of the metformin is released; after about 12 hours, more than about 75% of the metformin is released.

32. The extended release pharmaceutical tablet of claim 31 wherein the coating is free of monomeric pore forming agent.

33. The extended release pharmaceutical tablet of claim 31 wherein the coating comprises by weight, based on the coating weight, from about 50% to about 85% of the water-insoluble, water-permeable film-forming polymer, from about 10% to about 35% of the water-soluble polymer and from about 3% to about 15% of the plasticizer.

34. The extended release pharmaceutical tablet of claim 31 wherein the water-insoluble, water-permeable film-forming polymer is ethylcellulose.

35. The extended release pharmaceutical tablet of claim 31 wherein the water-soluble polymer is selected from the group consisting of cellulose ethers, vinylic polymers and combinations thereof.

36. The extended release pharmaceutical tablet of claim 35 wherein the cellulose ethers is selected from the group consisting of methylcellulose, hydroxymethylcellulose, non-ionic cellulose ethers and combinations thereof.

37. The extended release pharmaceutical tablet of claim 36 wherein the non-ionic cellulose ethers is selected from the group consisting of hydroxypropylcellulose, hydroxyethylcellulose and combinations thereof.

38. The extended release pharmaceutical tablet of claim 35 wherein the vinyllic polymers is selected from the group consisting of polyvinyl alcohol, polyvinylpyrrolidone and combinations thereof.

39. The extended release pharmaceutical tablet of claim 31 wherein the water-soluble polymer is also alcohol-soluble.

40. The extended release pharmaceutical tablet of claim 31 wherein the water-soluble polymer is also soluble in mixtures of alcohol and water.

41. The extended release pharmaceutical tablet of claim 39 wherein the water-soluble polymer which is also alcohol-soluble is selected from the group consisting of hydroxypropylcellulose, polyvinylpyrrolidone and combinations thereof.

42. The extended release pharmaceutical tablet of claim 41 wherein the water-soluble polymer which is also alcohol-soluble is polyvinylpyrrolidone.

43. The extended release pharmaceutical tablet of claim 40 wherein the water-soluble polymer which is also soluble in mixtures of alcohol and water is hydroxypropylmethylcellulose.

44. The extended release pharmaceutical tablet of claim 31 wherein the water-soluble polymer is polyvinylpyrrolidone.

45. The extended release pharmaceutical tablet of claim 31 wherein the plasticizer is selected from the group consisting of stearic acid and dibutyl sebacate.

46. The extended release pharmaceutical tablet of claim 45 wherein the plasticizer is stearic acid.

47. The extended release pharmaceutical tablet of claim 45 wherein the plasticizer is dibutyl sebacate.

48. The extended release pharmaceutical tablet of claim 31 wherein the water-insoluble, water-permeable film-forming polymer is ethylcellulose, the water-soluble polymer is polyvinylpyrrolidone and the plasticizer is stearic acid.

49. The extended release pharmaceutical tablet of claim 31 wherein the water-insoluble, water-permeable film-forming polymer is ethylcellulose, the water-soluble polymer is polyvinylpyrrolidone and the plasticizer is dibutyl sebacate.

50. The extended release pharmaceutical tablet of claim 31 wherein the core further comprises an expanding agent.

51. The extended release pharmaceutical tablet of claim 50 wherein the expanding agent is present in an amount from about 3% to about 25% of the core dry weight.

52. The extended release pharmaceutical tablet of claim 51 wherein the expanding agent is a non-hydrocolloid.

53. The extended release pharmaceutical tablet of claim 52 wherein the non-hydrocolloid is crospovidone.

54. The extended release pharmaceutical tablet of claim 51 wherein the expanding agent is sodium starch glycolate.

55. The extended release pharmaceutical tablet of claim 51 wherein the weight ratio of water-insoluble, water-permeable film-forming polymer: water-soluble polymer: plasticizer is 20-50:35-75:15-40.

56. The extended release pharmaceutical tablet of claim 31 wherein the pharmaceutically acceptable excipients comprise glyceryl behenate, polyvinylalcohol and silicon dioxide.

57. The extended release pharmaceutical tablet of claim 31 exhibiting a dissolution profile such that after about 2 hours from about 10% to about 40% of the metformin is released; after about 4 hours from about 20% to about 65% of the metformin is released; after about 8 hours from about 50% to about 100% of the metformin is released and after about 12 hours more than about 75% of the metformin is released.

58. The extended release pharmaceutical tablet of claim 31 exhibiting a dissolution profile such that after about 2 hours from about 40 % to about 60% of the metformin is released; after about 4 hours from about 65% to about 90% of the metformin is released; after about 8 hours from about 85% to about 100% of the metformin is released and after about 12 hours more than about 90% of the metformin is released.

59. An extended release extended release pharmaceutical tablet comprising:
(i) a core comprising by weight, based on the core weight, about 70% to about 99% metformin and pharmaceutically acceptable excipients; and

(ii) a coating surrounding said core, wherein said coating is permeable to metformin, said coat comprising by weight, based on the coating weight, from about 50% to about 85% of a water-insoluble, water-permeable film-forming polymer, from about 10% to about 35% of a water soluble polymer and from about 3% to about 15% of a plasticizer,

said composition exhibiting a dissolution profile such that after about 2 hours, from about 7% to about 60% of the metformin is released; after about 4 hours, from about 15% to about 90% of the metformin is released; after about 8 hours, from about 50% to about 100% of the metformin is released; after about 12 hours, more than about 75% of the metformin is released.

60. The extended release pharmaceutical tablet of claim **59** wherein the coating is free of monomeric pore forming agent.

61. The extended release pharmaceutical tablet of claim **59** wherein the water-insoluble, water-permeable film-forming polymer is ethylcellulose.

62. The extended release pharmaceutical tablet of claim **59** wherein the water-soluble polymer is selected from the group consisting of cellulose ethers, vinylic polymers and combinations thereof.

63. The extended release pharmaceutical tablet of claim **62** wherein the cellulose ethers is selected from the group consisting of methylcellulose, hydroxymethylcellulose, non-ionic cellulose ethers and combinations thereof.

64. The extended release pharmaceutical tablet of claim **63** wherein the non-ionic cellulose ethers is selected from the group consisting of hydroxypropylcellulose, hydroxyethylcellulose and combinations thereof.

65. The extended release pharmaceutical tablet of claim 62 wherein the vinyl polymers is selected from the group consisting of polyvinyl alcohol, polyvinylpyrrolidone and combinations thereof.

66. The extended release pharmaceutical tablet of claim 59 wherein the water-soluble polymer is also alcohol-soluble.

67. The extended release pharmaceutical tablet of claim 59 wherein the water-soluble polymer is also soluble in mixtures of alcohol and water.

68. The extended release pharmaceutical tablet of claim 66 wherein the water-soluble polymer which is also alcohol-soluble is selected from the group consisting of hydroxypropylcellulose, polyvinylpyrrolidone and combinations thereof.

69. The extended release pharmaceutical tablet of claim 68 wherein the water-soluble polymer which is also alcohol-soluble is polyvinylpyrrolidone.

70. The extended release pharmaceutical tablet of claim 67 wherein the water-soluble polymer which is also soluble in mixtures of alcohol and water is hydroxypropylmethylcellulose.

71. The extended release pharmaceutical tablet of claim 59 wherein the water-soluble polymer is polyvinylpyrrolidone.

72. The extended release pharmaceutical tablet of claim 59 wherein the plasticizer is selected from the group consisting of stearic acid and dibutyl sebacate.

73. The extended release pharmaceutical tablet of claim 72 wherein the plasticizer is stearic acid.

74. The extended release pharmaceutical tablet of claim 72 wherein the plasticizer is dibutyl sebacate.
75. The extended release pharmaceutical tablet of claim 59 wherein the water-insoluble, water-permeable film-forming polymer is ethylcellulose, the water-soluble polymer is polyvinylpyrrolidone and the plasticizer is stearic acid.
76. The extended release pharmaceutical tablet of claim 59 wherein the water-insoluble, water-permeable film-forming polymer is ethylcellulose, the water-soluble polymer is polyvinylpyrrolidone and the plasticizer is dibutyl sebacate.
77. The extended release pharmaceutical tablet of claim 59 wherein the core further comprises an expanding agent.
78. The extended release pharmaceutical tablet of claim 77 wherein the expanding agent is present in an amount from about 3% to about 25% of the core dry weight.
79. The extended release pharmaceutical tablet of claim 78 wherein the expanding agent is a non-hydrocolloid.
80. The extended release pharmaceutical tablet of claim 79 wherein the non-hydrocolloid is crospovidone.
81. The extended release pharmaceutical tablet of claim 78 wherein the expanding agent is sodium starch glycolate.
82. The extended release pharmaceutical tablet of claim 59 wherein the pharmaceutical excipients comprise glyceryl behenate, polyvinylalcohol and silicon dioxide.

83. The extended release pharmaceutical tablet of claim 59 exhibiting a dissolution profile such that after about 2 hours from about 10% to about 40% of the metformin is released; after about 4 hours from about 20% to about 65% of the metformin is released; after about 8 hours from about 50% to about 100% of the metformin is released and after about 12 hours more than about 75% of the metformin is released.

84. The extended release pharmaceutical tablet of claim 59 exhibiting a dissolution profile such that after about 2 hours from about 40 % to about 60% of the metformin is released; after about 4 hours from about 65% to about 90% of the metformin is released; after about 8 hours from about 85% to about 100% of the metformin is released and after about 12 hours more than about 90% of the metformin is released.

85. An extended release tablet comprising:

- (i) a core comprising by weight, based on the core weight, 70 to 99% of metformin, an expanding agent and pharmaceutically acceptable excipients; and
- (ii) a coating surrounding said core, wherein said coating is permeable to metformin, said coat comprising by weight, based on the coating weight, from about 20% to about 50% of a water-insoluble, water-permeable film-forming polymer, from about 35% to about 75% of a water-soluble polymer and from about 15% to about 40% of a plasticizer;

said tablet exhibiting a dissolution profile such that after about 2 hours, from about 7% to about 60% of the metformin is released; after about 4 hours from about 15% to about 90% of the metformin is released; after about 8 hours from about 50% to about 100% of the metformin is released; and after about 12 hours, more than about 75% of the metformin is released.

86. The extended release tablet of claim 85 wherein the coating is free of monomeric pore forming agent.

87. The extended release tablet of claim 85 wherein the water-insoluble, water-permeable film-forming polymer is ethylcellulose.

88. The extended release pharmaceutical tablet of claim 85 wherein the water-soluble polymer is selected from the group consisting of cellulose ethers, vinylic polymers and combinations thereof.

89. The extended release pharmaceutical tablet of claim 88 wherein the cellulose ethers is selected from the group consisting of methylcellulose, hydroxymethylcellulose, non-ionic cellulose ethers and combinations thereof.

90. The extended release pharmaceutical tablet of claim 89 wherein the non-ionic cellulose ethers is selected from the group consisting of hydroxypropylcellulose, hydroxyethylcellulose and combinations thereof.

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100. The extended release pharmaceutical tablet of claim 88 wherein the vinylic polymers is selected from the group consisting of polyvinyl alcohol, polyvinylpyrrolidone and combinations thereof.

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101. The extended release pharmaceutical tablet of claim 85 wherein the water-soluble polymer is also alcohol-soluble.

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102. The extended release pharmaceutical tablet of claim 85 wherein the water-soluble polymer is also soluble in mixtures of alcohol and water.

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103. The extended release pharmaceutical tablet of claim 101 wherein the water-soluble polymer which is also alcohol-soluble is selected from the group consisting of hydroxypropylcellulose, polyvinylpyrrolidone and combinations thereof.

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~~104.~~ The extended release pharmaceutical tablet of claim ⁹⁴~~103~~ wherein the water-soluble polymer which is also alcohol-soluble is polyvinylpyrrolidone.

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~~105.~~ The extended release pharmaceutical tablet of claim ⁹³~~102~~ wherein the water-soluble polymer which is also soluble in mixtures of alcohol and water is hydroxypropylmethylcellulose.

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~~106.~~ The extended release tablet of claim 85 wherein the water-soluble polymer is polyvinylpyrrolidone.

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~~107.~~ The extended release pharmaceutical tablet of claim 85 wherein the plasticizer is selected from the group consisting of stearic acid and dibutyl sebacate.

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~~108.~~ The extended release pharmaceutical tablet of claim ⁹⁸~~107~~ wherein the plasticizer is stearic acid.

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~~109.~~ The extended release pharmaceutical tablet of claim ⁹⁸~~107~~ wherein the plasticizer is dibutyl sebacate.

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~~110.~~ The extended release pharmaceutical tablet of claim 85 wherein the water-insoluble, water-permeable film-forming polymer is ethylcellulose, the water-soluble polymer is polyvinylpyrrolidone and the plasticizer is stearic acid.

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~~111.~~ The extended release pharmaceutical tablet of claim 85 wherein the water-insoluble, water-permeable film-forming polymer is ethylcellulose, the water-soluble polymer is polyvinylpyrrolidone and the plasticizer is dibutyl sebacate.

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~~112.~~ The extended release pharmaceutical tablet of claim 85 wherein the expanding agent is present in an amount from about 3% to about 25% of the core dry weight.

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~~113.~~ The extended release pharmaceutical tablet of claim ¹⁰³~~112~~ wherein the expanding agent is a non-hydrocolloid.

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~~114.~~ The extended release pharmaceutical tablet of claim ¹⁰⁴~~113~~ wherein the non-hydrocolloid is crospovidone.

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~~115.~~ The extended release pharmaceutical tablet of claim ¹⁰³~~112~~ wherein the expanding agent is sodium starch glycolate.

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~~116.~~ The extended release pharmaceutical tablet of claim 85 wherein the pharmaceutically acceptable excipients comprises glyceryl behenate, polyvinylalcohol and silicon dioxide.

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~~117.~~ The extended release pharmaceutical tablet of claim 85 exhibiting a dissolution profile such that after about 2 hours from about 10% to about 40% of the metformin is released; after about 4 hours from about 20% to about 65% of the metformin is released; after about 8 hours from about 50% to about 100% of the metformin is released and after about 12 hours more than about 75% of the metformin is released.

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~~118.~~ The extended release pharmaceutical tablet of claim 85 exhibiting a dissolution profile such that after about 2 hours from about 40 % to about 60% of the metformin is released; after about 4 hours from about 65% to about 90% of the metformin is released; after about 8 hours from about 85% to about 100% of the metformin is released and after about 12 hours more than about 90% of the metformin is released.

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~~119.~~ An extended release pharmaceutical tablet comprising:
(i) a core comprising by weight, based on the core weight, 70 to 99% of metformin, a non-hydro colloid expanding agent and pharmaceutically acceptable excipients; and

(ii) a coating surround said core, wherein said coating is permeable to metformin and free of monomeric pore forming agent, said coat comprising by weight, based on the coating weight, from about 20% to about 50% of a water-insoluble, water-permeable film-forming polymer, from about 35% to about 75% of a water-soluble polymer and from about 15% to about 40% of a plasticizer;

said tablet exhibiting a dissolution profile such that after about 2 hours, from about 7% to about 60% of the metformin is released; after about 4 hours from about 15% to about 90% of the metformin is released; after about 8 hours from about 50% to about 100% of the metformin is released; and after about 12 hours, more than about 75% of the metformin is released.

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~~120.~~ The extended release pharmaceutical tablet of claim ¹¹⁰~~119~~ wherein the non-hydrocolloid expanding agent is crospovidone.

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~~121.~~ The extended release pharmaceutical tablet of claim ¹¹⁰~~119~~ wherein the water-insoluble, water-permeable film-forming polymer is ethylcellulose, the water-soluble polymer is polyvinylpyrrolidone and the plasticizer is selected from the group consisting of stearic acid and dibutyl sebacate.

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~~122.~~ The extended release pharmaceutical tablet of claim ¹¹⁰~~119~~ wherein the pharmaceutically acceptable excipients comprises glyceryl behenate, polyvinylalcohol and silicon dioxide.

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~~123.~~ An extended release pharmaceutical tablet comprising:

- (i) a core comprising by weight, based on the core weight, 70 to 99% of metformin, crospovidone, glyceryl behenate, polyvinyl alcohol, silicon dioxide; and
- (ii) a coating surrounding said core, wherein said coating is permeable to metformin and free of monomeric pore forming agent, said coat comprising by weight, based on the coating weight, from about 20% to about 50% of a water-insoluble, water-

permeable film-forming polymer, from about 35% to about 75% of a water-soluble polymer and from about 15% to about 40% of a plasticizer;

said tablet exhibiting a dissolution profile such that after about 2 hours, from about 7% to about 60% of the metformin is released; after about 4 hours from about 15% to about 90% of the metformin is released; after about 8 hours from about 50% to about 100% of the metformin is released; and after about 12 hours, more than about 75% of the metformin is released.

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~~124~~. The extended release pharmaceutical tablet of claim ¹¹⁴~~123~~ wherein the water-insoluble, water-permeable film-forming polymer is ethylcellulose, the water-soluble polymer is polyvinylpyrrolidone and the plasticizer is selected from the group consisting of stearic acid and dibutyl sebacate.

¹¹⁶
~~125~~. An extended release pharmaceutical tablet comprising:

- (i) a core comprising by weight, based on the core weight, 70 to 99% of metformin, crospovidone, glyceryl behenate, polyvinyl alcohol, silicon dioxide; and
- (ii) a coating surrounding said core, wherein said coating is permeable to metformin and free of monomeric pore forming agent, said coating comprising by weight, based on the coating weight, from about 20% to about 50% of ethylcellulose, from about 35% to about 75% of polyvinylpyrrolidone and from about 15% to about 40% of stearic acid;

said tablet exhibiting a dissolution profile such that after about 2 hours, from about 7% to about 60% of the metformin is released; after about 4 hours from about 15% to about 90% of the metformin is released; after about 8 hours from about 50% to about 100% of the metformin is released; and after about 12 hours, more than about 75% of the metformin is released.

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~~126~~. An extended release pharmaceutical tablet comprising:

- (i) a core comprising by weight, based on the core weight, 70 to 99% of metformin, crospovidone, glyceryl behenate, polyvinyl alcohol, silicon dioxide; and

(ii) a coating surrounding said core, wherein said coating is permeable to metformin and free of monomeric pore forming agent, said coat comprising by weight, based on the coating weight, from about 20% to about 50% of ethylcellulose, from about 35% to about 75% of polyvinylpyrrolidone and from about 15% to about 40% of dibutyl sebacate ;

said tablet exhibiting a dissolution profile such that after about 2 hours, from about 7% to about 60% of the metformin is released; after about 4 hours from about 15% to about 90% of the metformin is released; after about 8 hours from about 50% to about 100% of the metformin is released; and after about 12 hours, more than about 75% of the metformin is released.

~~118~~
127.

An extended release pharmaceutical tablet comprising:

(i) a core comprising per coated tablet weight about 86% metformin hydrochloride, about 2% colloidal silicon dioxide, about 3% polyvinyl alcohol, about 3.5% croscopovidone and about 2% glyceryl behenate; and

(ii) a coating surrounding said core, wherein said coating is permeable to metformin hydrochloride, said coat comprising per coated tablet weight about 2% ethylcellulose, about 1% polyvinylpyrrolidone and about 0.5% dibutyl sebacate.

~~119~~
128.

An extended release pharmaceutical tablet comprising:

(i) a core comprising by weight per coated tablet weight about 1000mg metformin hydrochloride, about 25mg colloidal silicon dioxide, about 34 mg polyvinylalcohol, about 39 mg croscopovidone and about 22 mg glyceryl behenate; and

(ii) a coat surrounding said core, wherein said coat is permeable to metformin hydrochloride, said coat comprising by weight per coated tablet weight about 21mg ethyl cellulose, about 11mg polyvinylpyrrolidone, and about 8 mg dibutyl sebacate

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129.

An extended release pharmaceutical tablet comprising:

(i) a core comprising by weight per coated tablet weight about 750mg metformin hydrochloride, about 19mg colloidal silicon dioxide, about 26mg

polyvinylalcohol, about 30mg crospovidone and about 17mg glyceryl behenate; and(ii) a coat surrounding said core, wherein said core is permeable to metformin hydrochloride, said coat comprising by weight per coated tablet weight about 21mg ethylcellulose, 11mg polyvinylpyrrolidone and about 8mg dibutyl sebacate.